

"Dedicated to Public Service"

THE RADIATOR



W6RHC
IRL #8170



P.O.Box 508 Chico, CA 95927-0508

Founded: August 13, 1939

July, 2017

Coming Events

O.A.R.S. GENERAL MEETING Second Friday, of month, 7:00 p.m., at St. Paul's Church Parrish Hall, 1430 Pine St., Oroville

G.A.R.S. Second Thursday of month, 6:30 p.m. Lutheran Church Hall, Artois; .

G.E.A.R.S General Meeting, third Friday of month, Butte County Search and Rescue Bldg., Chico. Social hour 6:00, meeting at 7:00.

Board Meetings: 2nd Saturday of month

Butte A.R.E.S. MEET: fourth Friday, at Butte County Search and Rescue Building.

FCC EXAMS - GEARS VEC

First Sunday of every even numbered month.

At the Butte County Search and Rescue Building,.
Written test at 2:00 p.m. For information or pre-registration call Tom Rider -W6JS; 530-893-9211

The Prez' Says:

QST de KA6GND

Thank you very much to Michael N6FAV and Kathy K6FAV for securing the wonderful location for our Field Day this year at the Masonic Family Center. Also thank you to the others who helped set up, operate and attend to have a fun time! I wish that I could have been there but I was out of town for the week.

Have you bought any raffle tickets yet to try to win the antenna analyzer that the club is raffling off? You just never know when you might need one.

When I put up my tower in late 2015 I used new coax and connectors to the antennas, all was secured very well and all has survived 2 winters very well. Then suddenly last month, long after winter, 2 of my uhf/vhf antennas have a problem. I normally check the swr from time to time, but an analyzer can tell you so much more.

See Rick KI6VOS form tickets.

I hope to see you at our July meeting on the 21st!

73 for now,

Larry Marcum, KA6GND

GEARS President

530-345-5399

ka6gnd@gmail.com



Club Events: News and items of interest
GEARS Calendar...all inside.



Picture courtesy EVARC

GEARS 2017-06-10 Board of Directors meeting minutes

Present: Larry Marcum, Stephen Wolske, Michael Favor, Gene Wright, Dale Anderson, Tom Rider

Absent: Anna Horn, Rick Hubbard

Meeting called to order at 9:01 AM

Secretary's Report: Motion passed to accept minutes from May BOD meeting.

Treasurer's Report: Total net proceeds from auction were \$1203.30. Available balance carried forward \$4395.11. Motion passed to accept Treasurer's report.

Old Business:

Rick will check if Rabobank will accept BOD meeting minutes as proper authorization to change signatories.

Rick purchased an AA-170 Digital Analyzer for the annual raffle from HRO for a total including shipping of \$357.14.

Larry will invite Butte County Sheriff Comm Reserve captain to a future GEARS meeting and present a certificate to him.

GEARS Workshop - Saturday August 12, 2017 has been reserved at the Search and Rescue building

Membership applications:

We expect one or two new members from the hams that got new licenses at the most recent testing session.

Field Day:

Director of the Gateway Discovery says they would be very happy to work with us next year.

Another suggestion for Field Day location is Patrick Ranch.

If we use the traditional Platt Mountain site, we will need a blue room, and need to contact Cal Fire.

Contact Jeff House to join us for Field Day. Gene has his phone number.

Larry will be gone for June general meeting, Stephen Wolske will lead the general meeting vote on the changes to the Constitution and Bylaws.

VE Report: VEC Session was moved to Country Waffle restaurant because the Search and Rescue building was in use by Cal

Fire.

Two new Tech licenses were granted, and one Tech upgraded to General.

Tom and Gene will be going to Gettysburg this year for the national VEC meeting in July.

Classes: Gene has not been able to pin down an instructor for classes, and the Search and Rescue building costs \$25 per use.

Repeater: Autopatch unit is has been received back from ARCOM headquarters.

ARES: This last weekend the Loco run was held at Butte Meadows and ARES provided four volunteers for Comm units. The organizers of the event were very grateful for the support from ARES volunteers. Sheriff's Comm Reserve also appreciated ARES participation.

Program Committee: June meeting will be about Field Day. Michael will ask Kris Koenig if he will to a presentation on the observatory on Bidwell Park.

Ted from OARS has offered to give a presentation on his "Go Kit".

In July Tom and Gene can give a report about the national VE meeting in Gettysburg.

Meeting adjourned at 9:28 AM

Minutes of GEARS June meeting

There are no minutes for the June meeting, as there was not a quorum .

Proposed Amendments to the By-Laws are again published in this newsletter– following the month calendar and what is usually the final page of the newsletter. This is, I believe the third time for publication of the proposals, although the rules only require two publications ; so if you desire to reread them, please scroll down to pages 9-13.

Voting yea or nay on these proposals is to be on the agenda for our next meeting which is July 21st.



Grandmother says his hands are too small to key a mike, and he has not yet conquered CW, but he will be one heck of a Ham operator in another year or two!!!

Hi GEARS club!

My son, Jackson Fuller, was in Arizona for Field Day this year, but got to be featured on the front page of the paper there. The article's title wasn't a favorite among local HAMs there, but the article itself was a positive one. Just wanted to send the article over to his local Chico HAM friends! He should be back in Chico in time to attend July's monthly meeting.



Jackson Fuller, an amateur radio technician, operates a radio during Yavapai Amateur Radio Club's annual Amateur Radio Field Day. (Max Efrein/Courier)

[Local enthusiasts say amateur radio still has role in digital age](#)

Is amateur radio a dying hobby?

The golden days of radio are long gone. That doesn't mean it's insignificant, however.

Even in the rapidly advancing world of technology, radio remains a valuable means of communication.

"If the phone lines or Internet go down, radio is still there," said Art Protas, a member of the Yavapai Amateur Radio Club (YARC).

On Saturday, June 24, YARC hosted its annual Amateur Radio Field Day, where the public was invited to see radio operators in action, ask questions and get on the air with help from a licensed control operator.

The club remains the largest of its kind in Arizona with about 280 members, but is always looking to recruit more.

"To become an amateur radio operator, anyone of any age must simply pass a test and acquire a license and call sign from the FCC.

Twelve-year-old Jackson Fuller officially got his amateur radio license about a year ago. He's the only youth he currently knows practicing this old-school pastime.

"I see mostly seniors using it," Fuller said. "I kind of like it that it's a unique thing for my age."

Attempts to lure his schoolmates into trying it have failed miserably, he said.

"Believe me, I've tried," Fuller said. "They rather play videogames or sports."

He finds this unfortunate, for he has developed a sincere interest in the hobby.

"I don't want it to die," Fuller said.

According to the American Radio Relay League (ARRL), Fuller's fears don't look to be coming true anytime soon. "At the end of 2014, the total number of radio amateurs in the FCC's Universal Licensing System database reached an all-time high of 726,275," NAAR states on its website.

Operating Notes: the sound of static, Field Day

July 2, 2017 By [Dan KB6NU](#) [3 Comments](#)

A couple of weeks ago, I attended the Rotary International convention in Atlanta. I was off the air for a whole week. I considered taking my KX3 with me, but it seemed like too much trouble, and I didn't know how much time I would have to operate.

What I found was that I really missed the sound of static in my ears. There's something about that sound that holds the promise of something interesting, whether that be some DX or a ragchew with an interesting person. I was really happy to get home and get back on the air.

Solo Field Day

Before Field Day, I ask those that I work if they have any plans for Field Day, and after Field Day, I ask them what they did for Field Day. A couple of days ago, I asked a fellow what he did, and he said that he operated 1D from his home on Sunday morning. While I didn't work him during Field Day, I thanked him for getting on. By Sunday morning, we've normally contacted all the big club stations that we're going to contact, so we need the 1D and 1B stations to pad our contact totals.

The flip side of that, of course, is that the guys that operate solo miss out on a lot of the fun of Field Day. A big part of what makes Field Day fun is just hanging out with other hams.

This face-to-face contact is valuable on a lot of levels:

1. You get to see and use the rigs they're operating. The star at this year's Field Day was the IC-7300 that we used at the GOTA station.

You learn how to improve your operating technique by watching those who are better than you. I forget how many years ago it was that Dennis, KT8X, showed me how to run with [N1MM software](#). That really raised my game.

1. Socializing is good for the soul. Even if you don't operate or pay any attention to the rigs or antennas, the social aspect of Field Day can be a lot of fun, if you let it be.

Even if there isn't a club in your area, you could invite some friends over to your place, or maybe a nearby park, and operate together. That way, you get to enjoy some of the camaraderie of amateur radio on what's arguably our most important special event.

How to Copy CW in Your Head

By Dan Romanchik, KB6NU

The second most common question that I get about CW is, “How do I learn to copy in my head?” When I get this question, I give, what to some, is a very unsatisfying answer. One day, I just went cold turkey. I put down the pencil and paper and never copied letter-by-letter ever again.

Carlo Consoli, IK0YGJ, author of *Zen and the Art of Radiotelegraphy* (http://www.qsl.net/ik0ygi/enu/ZART_r20101008m.pdf), says that what operators need to do is to program themselves to copy in their heads. He counsels operators to practice relaxation and visualization exercises. Visualize yourself as a high-speed operator, and maybe one day you will be one.

This approach seems to have worked for Consoli. He is a member of the Very High Speed Club (VHSC), First Class Operator’s Club (FOC), and has been clocked at copying over 70 wpm. I’m not sure that this is really going to work for everyone, though.

Another approach is touted by Carl, N7AGK. On his website, Carl writes, “I have created a program to assist you in learning to copy Morse code in your head. Everything you need will be contained on a single USB flashdrive that I will provide to you. In the program, there are audio Morse code presentations followed by a visual display. The visual display shows the information in large print and upper case letters. The visual display verifies that you have received the Morse code correctly.” Carl’s program costs \$20 and is available from n7agk.com.

Zeb, HB9FXW, has created a free web application called Seiuchy (<http://www.kb6nu.com/let-walrus-help-copy-head/>) to help people learn head copying. Seiuchy, which Zeb says is Japanese for walrus, simulates on-air contacts. The trick to using this app is that instead of copying exactly what’s sent, you only copy the most important bit of information. The idea is that if you train yourself to do this, then you can concentrate on what’s important rather than getting bogged down in copying what’s not important.

A different take on head copy was sent in by one of my blog readers, Bill, W3MSH. He wrote, “I was a CW op for many years and discovered something fascinating. I first began to hear “dots and dashes”, then letters, words, sentences and at 35+ wpm, thoughts in my head.”

I think Bill may have hit the nail on the head with this comment. I like the idea that copying code in your head is more akin to generating thoughts than it is to copying individual characters or words. Everybody talks about how getting faster is about moving from copying individual characters to copying words to copying entire sentences. I’ve never thought of it that way, although I was at a loss as to how to describe how I do it. I think the idea that when copying in your head, the code creates thoughts directly is a beautiful way to put it.

Isn’t that what’s happening when you talk to someone? When someone talks to me, I don’t consciously parse the sentences and then analyze them to see what was just said. It’s more of an unconscious process. The sounds being uttered are creating ideas in my head.

Shouldn’t we approach head copy in the same way? Instead of thinking about head copy as the process of writing down the characters on an internal blackboard to be read later, it should be about translating the sound of the Morse Code directly into concepts. The sounds “dah di dit...dah dah dah....dah dah dit,” should conjure up the image of a poodle or a pitbull, not the letters “D O G.”

How that translates into a program or a method for learning to copy the code in one’s head is another matter. It might be worth thinking about, though.

Club Officers: (Board of Directors)

PresidentLarry Marcum-ka6gnd
Vice President..... Stephen Wolske-kf6hss
Secretary Michael Favor—n6fav
Treasurer..... ..Rick Hubbard- ki6vos
Past PresidentAnna Horn Kg6goa
Director..... Tom Rider-W6JS
Director..... ..Gene Wright-wa6zrt
Director..... Dale Anderson kk6evs

Club Meetings:

General Meeting Third Friday 7:00 PM

Board Meeting Second Saturday

GEARS Club Net

Tuesdays 7:30 PM 146.850 MHz-PL 110.9

GARS Club Net:Monday,7:00 pm 147.105+Mhz
PL 110.09

Thursdays Simplex Net 7:30 p.m. 146.52

Sacramento Valley Traffic Net

Nightly 9:00 PM 146.850 MHz-PL 110.9

ARES Nets:

Butte Mondays 20:00 146.850 MHz-PL 110.9

Yuba Sutter Thursdays 19:00 146.085+MHz PL 127.3

Glenn Thursday 19:30 147.105 MHz +PL 100.0

Other Nets:

Willie Net 8:00 PM Mondays 1930 kHz

Sac Valley Section Net—7:00 PM 2nd Wed of the
month 146.085 MHz+PL 127.3

440 Wed. Night 8:00 PM Wednesday 440.650 MHz

Golden Bear 7:00 PM Daily 3975 kHz Western Public
Service System (WPSS)

7:30 PM 3952 kHz

ARISS (*International Space Station*) Uplink 144.490
MHz Downlink 145.800 MHz

Hope-1 satellite: all uplinks are in 145Mhz band:

All downlinks are in 435Mhz band

...California Traffic Net: 3906 KHz nightly @6:00
pm .For traffic listing & @6:30 p.m. for roll call.

The GEARS Newsletter Staff:

Editor and Publisher.....Dorothy Post

Printing & Distribution snail mail: Evelyn Weir

Website...Michael Favor-N6FAV

The Radiator is a monthly publication of the Golden Empire Amateur Radio Society (GEARS). It is the policy of the Editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio, of interest to GEARS members, and space is available. Please send all submissions to the Editor – Dorothy Post by the last day of the month through the following medium: E-mail: dj@posthouse.us



QST, QST, QST.

KI6VOS with a report on GEARS' NEW Post Office Box: 202.

As per the 13 May 2017 action by GEARS' BOD to reduce costs associated with the administration of our Club—

—please be advised that:

GEARS PO Box is now:

GEARS

PO Box 202

Chico, CA 95927-0202

The savings associated with this action are equal to ~2.5 Annual Memberships.

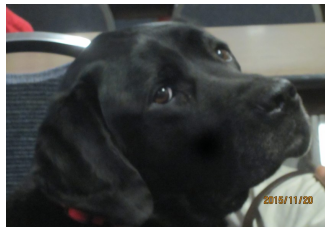
73 de KI6VOS,

Rick

+1.415.624.5865

BOY! Was I ever shocked and surprised! I had such anticipation for Field Day...a romp in the grass, chasing birds, and that is not at all what KAGND-Larry had planned! We flew to Alabama! For me, flying is somewhat boring. After all, a guy can only sleep so much. Must admit, when we fly, I do enjoy the way flight attendants and passengers make over me, after all, I do have quite an ego beneath this calm demeanor! Larry tells me that I have racked up somewhere around 36000 or more air miles. Does that entitle me to a special bonus of sorts? No one tells me those things—always keeping me in the dark.

But I loved Alabama, visiting historical sights with Larry and Ida; sneaking bites of Southern cuisine...ymmmm.



Hope you all had a wonderful Fourth of July, Celebrating our wonderful history, our Great Nation!

See you on the 21st.

Brinkley—K9DOG

Date	Time	Event	Location	Contact party
Sunday, August 6, 2017 Sunday , October 1, 2017	2:00 p.m.	VEC—Exams	Butte Co. Search & Rescue Building 2591 Morrow Lane, Chico	Tom Rider 530-893-9211
Thursday July 13, 2017 Second Thursday each month	6:30 p.m. Board and General Meeting .	GARS-Glenn Glenn Amateur Radio Society \\	Lutheran Church Hall: Artois	Mike Ellithorpe 530-518-3730
Friday, July 14, 2017 Second Friday each month	General Meeting	OARS Oroville Amateur Radio Society General Meeting	St Paul's Church Parrish Hall 1430 Pine Street Oroville	Ron Osbor ne-kd7uhf 530 589 1834 kd7uhf@yahoo.com
Saturday July 8, Second Saturday Each month	Board meet: 9:00 a.m.	GEARS Board of Di- rectors Meet Members are Invited!	Blood Source Blood Source Bldg 555 Rio Lindo Ave	Larry Marcum, KA6GND 530 345 5399 ka6gnd@gmail.com
Friday July 21, 2017 Third Friday each month.	Open 6:00 p.m.	GEARS Golden Empire Amateur Radio Society	Butte County Search and Rescue Building 2591 Morrow Lane Chico	Larry Marcum, KA6GND 530 345 5399 ka6gnd@gmail.com
July 29, 2017	GEARS Breakfast	GEARS Saturday Breakfast Funtime	? ??? TBA	Larry Marcum, KA6GND 530 345 5399 ka6gnd@gmail.com

Bring Your Old Eyeglass Wear to GEARS for the
 LIONS Club Eyeglasses donation Box
 Prescription glasses, or magnifying eyeglasses, sunglasses, but no loose lens—frames are a necessity.
 This is a club community effort in which all members may participate with minimal effort.
 Let us FILL that box up!!!!

!Donations to GEARS are TAX DEDUCTIBLE!
 We are a 501 c 3 organization, and as such, donations, cash, or materials, donated to GEARS are
 Tax deductible. When you donate to GEARS, be sure you receive a letter of acknowledgment
 from our Secretary as proof of the donation and its value for the State and Federal Tax
 Authorities. This is a win-win for GEARS and for you, the member or the party donating!

**GEARS Board of Directors
Constitution and Bylaws Committee Report
Date: 2017-05-13**

Constitution and Bylaws Committee Members: Gene Wright, Rick Hubbard, Michael Favor

After having reviewed the GEARS Constitution and Bylaws, the 2017 GEARS Constitution and Bylaws Committee proposes the following amendments.

Proposed amendments to the GEARS Constitution

In Article VI, after “members shall have been notified by mail”, add “or email”.

In Article VII, after “members shall have been mailed”, add “or emailed”.

Proposed amendments to the GEARS Bylaws

In Article IV, after “Members will be notified by mail”, add “or email”.

In Article V, Section 6(a), after “The Board of Directors shall consist of the President, Vice-President, Treasurer,” add “Secretary”.

In Article VI, Section 2, after “membership shall be notified by mail”, add “or email”.

In Article VI, Section 4, after “Members shall be notified by mail”, add “or email”.

In Article VII, after “Members shall be notified by mail”, add “or email”.

In Article XI, after “members shall have been mailed”, add “or emailed”.

This concludes the recommendations of the 2017 GEARS Constitution and Bylaws Committee.

**Respectfully Submitted,
Michael Favor,
GEARS Secretary**

DRAFT Bylaws of the Golden Empire Amateur Radio Society, Inc.

Article I – Intent and Purpose

The intent and purpose of the Golden Empire Amateur Radio Society, Inc., hereafter referred to as GEARS, will be to promote the enjoyment and understanding of Amateur Radio, provide assistance to those wishing to become amateurs, advance the state of the art through experimentation, and promote the public service aspects of Amateur Radio. Members should be progressive, friendly, patient with the uninitiated and the novice, and enjoy Amateur Radio as a sport and hobby.

Article II – Membership

Section 1. Membership is open to all persons interested in Amateur Radio, and shall be available at a reduced cost to other family members residing within the same household as a GEARS member.

Section 2. All persons making application for membership shall do so on the form prescribed and submit that form, with dues, to the Secretary for presentation to the Board of Directors. Applicants will be notified of the Board's decision as soon as possible.

Section 3. All members shall have equal voting rights, and membership is non-transferable.

Article III – Dues

Section 1. Annual dues shall be \$30.00 and \$5.00 for each additional member residing in the same household. Prorated membership shall be at the rate of \$2.50 per month except that the \$5.00 for each additional family member residing in the same household shall not be pro-rated. This prorate shall apply to persons applying for membership after December 31 and prior to October 1.

Section 2: Dues are due and payable on October 1, and shall be considered delinquent if not received by the Secretary on or before November 1. Delinquent members shall be dropped from the roles and mailing lists without comment or prejudice.

Article IV – Meetings

Section 1. Members will be notified by mail or email of the time and place of all general and Board of Directors meetings.

Section 2. At all general meetings, one-fifth (1/5) of the total GEARS membership shall constitute a quorum for the transaction of business.

Article V – Duties of Officers

Section 1. The officers of this organization shall be elected for a term of on (1) calendar year.

Section 2 - **PRESIDENT**: The president shall preside over all meetings of GEARS and the Board of Directors, shall enforce due observance of the Constitution and Bylaws, decide all questions of order, and perform all customary duties pertaining to the office of president.

(continued on page 5)

to the office of president.

Section 3 - VICE-PRESIDENT: The Vice-President shall assume the duties of the president in his/her absence and shall assist the President in all matters pertaining to GEARs.

Section 4 - SECRETARY: The Secretary shall keep all records, minutes and carry on all correspondence of GEARs.

Section 5 - TREASURER:

(a) The Treasurer shall receive and disburse funds at the direction of the Board of Directors, and shall be accountable to the Board for all funds of GEARs.

(b) All GEARs checks must bear two (2) of three (3) authorized signatures, President, Vice President, or Treasurer. ,

Section 6 - BOARD OF DIRECTORS:

The Board of Directors shall consist of the President, Vice-President, Treasurer, **Secretary**, immediate Past President, and three (3) members elected by the membership.

All Board meetings shall be held in the County of Butte, California, and all meetings shall be open to the general membership with the exception of meetings of censure. At all Board meetings, five (5) Directors shall constitute a quorum for the transaction of business.

The Board shall hold meetings, special meetings, appoint committees, suspend, censure, set policy and goals, and do all other manner of things pertaining to the continued operation and best interests of GEARs.

The Board shall have control and responsibility over all GEARs property and funds. The Board shall make periodic review of the financial records and dues structure, and appoint an audit committee at the end of each calendar year.

Vacancies on the Board shall be deemed to exist upon the death or resignation of a board member. If any Board member fails to attend ~~the~~ (3) consecutive Board meetings, the Board of Directors shall consider the office vacant and shall proceed with the normal election procedures to replace him/her.

The membership is the final authority on any action taken by the Board of Directors and may by majority vote rescind any action taken by the Board of Directors.

No member other than regularly elected officers shall act as an agent for GEARs, use GEARs letterhead, or otherwise represent the membership of GEARs in any form of communication without the consent of a majority of the Board of Directors. The Board of Directors reserves the right to review all communications to and from those who act as agents for the club, use its letterhead or otherwise represent the membership.

Article VI- Election Procedures

Section 1. All elected officers of GEARs shall be currently licensed amateurs and shall have been a member of GEARs for one (1) year. Members who are under eighteen (18) years of age are not eligible to be elected officers.

Section 2. The President shall select an Election Chairperson from the Board of Directors, who shall then select two (2) members from the general membership. This shall be the Nominating/Election Committee. At the October general meeting the committee shall make inquiry of the membership as to their recommendations for elected officers for the following year. Before the November general meeting and also before the December general meeting the GEARs membership shall be notified by mail or email of the candidates selected by the Nominating/Election Committee.

Section 3. At the December general meeting, the Nominating/Election Committee shall have charge of the election and shall take any nominations from the floor. No member may be nominated from the floor without his/her consent or prior written consent. If there are two (2) or more nominees for an office, election shall be by secret ballot. Nominees receiving a majority of votes by the members present are elected to office. In the case of the Board of Directors nominees, the three receiving the largest number of votes are elected to office.

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Section 4. Vacancy (s):

The Board of Directors shall select a Special Election Chairperson from the Board of Directors who shall select two (2) members from the general membership. They shall make inquiry of the membership as to their recommendations for the vacated office. Members shall be notified by mail or email of the time and place of the special election. At the special election meeting, the Nominating/Election Committee shall have charge of the special election and shall take any nominations from the floor. No member may be nominated from the floor without his/her consent or prior written consent. If there are two (2) or more nominees for the vacancy(s), election shall be by secret ballot. Nominees receiving a majority of votes by the members present are elected to fill the vacancy(s).

If the Treasurer resigns or for any other reason the office is vacated, the President shall immediately appoint an audit committee to examine the books and take charge of the funds and financial records of GEARS. The President shall then appoint a Board member to take charge of the funds and financial records of GEARS, until a new Treasurer has been duly elected.

Article VII –Removal from Office

Any elected officer of the GEARS may be removed from office by a petition signed by at least ten (10) currently licensed GEARS members and up-held by a three quarter (3/4) vote of the members present at a general meeting; Members shall be notified by mail or email of the time and place of the vote on this matter.

Article VIII —Appointments

Section 1. The President and/or the Board of Directors shall make all committee appointments that are deemed necessary to carry out GEARS activities.

Section 2. The President shall appoint a Repeater Chairperson to oversee the operation and maintenance of the repeater, which is owned by GEARS. This Chairperson must be approved by the Board of Directors, the License Trustee, and the Site Owner. Repeater Committee members may be compensated for required travel at the rate of twenty (20) cents per mile.

Section 3. The GEARS VEC Committee Chairperson shall be a member in good standing appointed by the President with the approval of the Board of Directors. The VEC Committee Chairperson shall serve for a period of five (5) years or until removed from that position for due cause by a majority vote of the Board of Directors.

Section 4. All committees shall act at the direction of the President and/or the Board of Directors.

Article IX –Parliamentary Procedures

On questions of order and procedure not otherwise determined by these Bylaws, the provisions of the current edition of Robert's Rules of Order shall prevail.

(continued on page 7)

Article X –Amendments

Any motion to amend these Bylaws shall be submitted in writing at any general meeting, but may not be voted on until the next general meeting. The Board of Directors shall review the proposed amendment and make written recommendations to the members. Bylaws may be amended by a two-thirds (2/3) vote of members present at a general meeting, provided that all members shall have been notified by mail **or email** of the proposed amendment and the time and place of the meeting.

Article XI –Ratification

These Bylaws shall supersede all previous Bylaws of this organization upon ratification by a three-fourths (3/4) majority vote of the members present at the ratification meeting, provided that all members shall have been mailed **or emailed** a copy of said Bylaws and shall have been notified of the time and place of the meeting for ratification.

Ratified June 17, 1988

Amended August 17, 1990: Splits Secretary/Treasurer office; requires end of year audit of funds.

Amended November 16, 1990: Deletes the requirement for regular monthly meeting; Replaces the word "Regular" with "General" in reference to meetings.

Amended November 17, 1995: Changes dues for additional family members from \$15 to \$5 and eliminates prorating of dues for additional family members.

Amended January 17, 1997: Requires that dues be paid to the Secretary instead of the Treasurer; Requires that members be notified of Board of Directors meetings; Clarifies the procedure to declare a vacancy on the Board of Directors; adds new paragraph (f) to article V, section 6 stating that the membership may rescind any action by the Board of Directors; adds new paragraph (g) to Article V, section 6 stating who may act as an agent or otherwise represent the membership of GEARS.; Moves the requirements for election to office from Article V to Article VI; Requires that the Nominating/Election Committee begin their duties in October instead of November and requires that the list of candidates for office be published before the November general meeting as well as before the December general meeting; Clarifies how Board of Director nominees are elected to office; Changes Article VI, Section 3 to Section 4 (Section number change only).

Amended October 16, 2015: Changed annual dues in Article III from \$20 to \$30 and the prorating from \$2 to \$2.50.

Draft Amendment May 13, 2017: Added Treasurer to Board of Directors, and added email as a valid method of notification in addition to mail in Articles IV, VI, VII, X, and XI.